App F IX 4

1941

ML File No 76 —

Previous References

(ML)

Serial Nos. 1, 2

ML s 7 — 37 — 38 89

Later References

GENERAL AND REVENUE SECRETARIAT

Serial Nos two

Part B for June 1938

SUBJECT

Transfer of the Mudgeeraba Water Works to the Bureau of Sanitary Engineering

To the Dir of P H
" D C / Kadur
" Comptroller

L 3476 — 8 Dr 26 12 — 41

Records the letter intimating the ——

1/42

MI 76-41-1

3326/L

GOVERNMENT OF MYSORE

Tlgr plce
Add

OFFICE OF

THE DIRECTOR OF PUBLIC HEALTH

IN YOGA ,

No C 61-13
Encls 1 Supdg Engrs Letter No 776
2 Report of the Executive Engr (Mechl Engg) (3 sheets)
3 Test of Water in Waterworks (1 sheet)
3 To

Bangalore, dated 29th November 1941

Date 5-12-41

GEN & P V SECRET
* -6 DEC 1941
L S G E A

The Secretary to Government,
Law Department,
Bangalore

Sir

SECY LAW DEPT
6 DEC 1941
GOVT OF MYSORE

Subject - Transfer of Ludigere Water Works to the Bureau of Sanitary Engineering

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Adverting to Government Order No L 9735-37/MI 57-37-39 dated 1st June 1938, I have the honour to state that the Sanitary Engineer reports that the charge of the Water Works was taken over on the 17th November 1941 A copy of his letter No 776 dated 21st November 1941 with copies of its enclosures are herewith sent for the information of Government

I have the honour to be,
Sir,
Your most obedient servant,
Director of Public Health

ARS

Value for perusal —

BL 10/12/41

Ch 10/12

2 The Govt are approving the transfer of the water works at Mudigere from the Bureau of Sanitary Engineering was issued on 1 6 193 It is now more than 3½ years before which action has been taken to give effect to the above G O The reasons for this are not stated,

3 Kind refer is invited to

Transfer of Kuvempu water works to the Sanitary Engineer 3 3 26 2

General and Revenue Secretariat | File No | of 194 | [App F III-2

Serial No

K/ 13

para 2 of the Sanitary Engineers letter, in regard to the present condition of the machinery of the water works which was all along under the control of the Municipality

4 This Communication from the Director of Public Health will be recorded

Law Secy 17/12/41

5 For perusal

Minister (L S S)

Hon 2 16 12 41

Para 4 17 12 41

Hon 18/12/41

Dept for recording L 18/12/41

A draft G O recording is submitted for approval

Law 18/12

Sec 18/12

Secy 17/12/41

To,

The Dir P H
The Dir Kadur Dt
The Comptroller

L 5476 S/ml 16-41 2 & 26 12 41

Records the letter stating that the charge of the said water works was taken by the Sanitary Dept on 17 11 41

Law

SECY LAW DEPT 15 DEC 1941 GOVT OF MYSORE

Dr C STeR F L S G & P H 16 12 41 No 3611

TYPING SECTION 22 DEC 1941

NOTE Cont Sheet

7/1/42

WD 04165—GI B—55 000—23-10-41

File No of 194

General and Revenue Secretariat

Serial No

Copy of the letter No 776 dated 21st November 1941, from the Sanitary Engineer, Bureau of Sanitary Engineering, Bangalore, to the Director of Public Health, in Mysore, Bangalore

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With reference to your letter No C 61-7 dated 8th August 1941, forwarding copy of your letter of even number to the Deputy Commissioner, Kadur District, and instructing me to take charge of the Kudigere water works, I have the honour to state that charge has been taken over to-day A memo upon the condition of the machinery and other appliances attached to the water works is enclosed herein for yourkind information A copy of this Memo has been forwarded to the President, Municipal Council, for his countersignature and return

The machinery and the structures connected with the water works are in immediate need of heavy repairs and the Assistant Engineer, Sanitary Subdivision, Hassan, has been requested to submit an estimate for the same The cost of the work is likely to exceed Rs 1,000/- and this cannot be considered as a routine maintenance work, and I am, therefore, arranging to forward the estimate to the President of the Municipality immediately after its receipt from the Assistant Engineer, for necessary sanction and providing funds

======

" C o p y"

C N Seshoon
for Director of Public Health

Report on the condition of the Machinery and Other Appliances attached to the Gudiyere Water Works at the time of taking charge on November 17, 1941

The works were completed during the year 1928, and handed over to the Municipality immediately thereafter The present condition of the different units is noted hereunder

Pumping Station - The building is in fact, but no white-washing or other maintenance works seem to have been done for a number of years The flooring and the walls are absolutely black with soot and oil of the engine in service and the same require scraping and cleaning before they can be brought to the proper condition

MACHINERY There are two units of machinery at present one consisting of a Crossley 7 H P Kerosine Oil Engine, and a Worthington Simpson Turbine Pump installed at the time of erection and the other consisting of a Lister 5 H P engine and a Worthington Simpson Two-stage Centrifugal Pump installed about the year 1934 During working the breach end of the cylinder of the latter engine was cracked and the crank shaft was bent, and some repairs for repairing the same for taking it into service seem to have been undertaken by the Municipality but to no purpose The engine is thus absolutely damaged and cannot possibly be repaired

The 7 H P Kerosine engine was subsequently replaced by an 8 HP engine and the original Worthington Simpson Turbine Pump driven by belt The 7 HP kerosine oil engine and the Lister engine are also kept in the station and they have to be disposed off at scrap value since they are apparently of no service

The 8 HP engine itself is in need of heavy repairs While it is in service, heavy smoke emanates from the exhaust, and the consumption of fuel oil is far higher than what is specified by the manufacturer The cylinder head is also leaking close to the vaporiser The Operator in charge informs that this

this is due to the fact that proper gaskets are not put in The fuel oil pump is also leaking with the result that when the engine is running a lot of oil is splashed on the floor causing corresponding wastage

At the time of the original installation, the cooling water tank was installed outside the building in order to afford a thermo-syphon system of cooling for the engine but the connections thereto have been removed and the engine is being cooled at present on the run-through system causing much wastage of water

The cooling water tank itself seems to be leaky, and will have to be replaced if the thermo-syphon system has to be restored

So far as the pump is concerned, it is ascertained that very recently a complete rotating unit was got from Messrs B H Works, Chickmagalur, and the same has been fitted on to the pump At present no tests have been conducted to ascertain the discharge of the pump in its present condition and arrangements have, however, been made to have the same verified immediately The discharge from the pump depends, to a very large extent, on the design and the opening of the veins in the impellers and since the impellers used at present arenot of the original manufacture it will be hard to say how far the capacity of the pump is affected thereby Instructions have been issued to have a quantitative test carried out immediately on the discharge of the pump

The pressure gauge fixed in the delivery of the pump is out of order and it is not possible to indicate the actual head of the pump The pump was originally designed for discharging 2,500 gallons an hour against a total head of 200 feet but what the actual head at present is, is not known

The surroundings of the Pumping Station are in absolute

absolute disrepair and a number of pits have been formed where the waste water is stagnating. It will be necessary to do heavy repairs before the grounds can be brought to a proper condition.

There was a strip of land 6 to 10 feet acquired on the top of the rising main where it crosses the paddy field close to the Pumping Station but it is now seen that crops are allowed to be raised on this portion of the land also a notice will have to be issued to the owner of the land immediately so that arrangements may be made to clear the area which has already been acquired.

At the portion where the pipe line is going up the hillock behind the Traveller's bungalow, deep scours have been formed and these have to be filled in with earth immediately.

Service Reservoir - The service reservoir is in two compartments having a capacity of about 13,000 gallons each. The structure of the service reservoir is absolutely in disrepair and requires immediate attention. There is a ladder fixed for coming to the top of the reservoir but some of the iron steps of the same are completely eaten up, apparently by the bleaching powder that was being carried to the top. These require replacement and the ladder itself requires to be repaired and refixed properly. The cisterns of the inlet and outlet valves are in disrepair and one of shutters of three of them is not in position. The shutters which have been dismantled from their position are available so that they will have to be riveted to scraps of iron and fixed in position once again.

Water is continuously coming out of the scour pipe fixed on one of the compartments of the service reservoir and the scour valve will have to be examined to locate the cause.

The wire gauze fixed on the ventilators of the service reservoir have all gone and require replacement.

From an inspection of the top of the roofing it is seen that originally an arrangement was made for placing a tub on the top of the reservoir in which the solution of bleaching powder reagent was prepared and was allowed into the service reservoir through a rubber tube laid through one of the ventilators. It was presumed arrangement seems to be to drop the bleaching powder solution directly

directly into the service reservoir The Chlorine that is liberated in this arrangement has already affected the iron girders fixed to support the roofing of the reservoir and painting of these girders is a matter of immediate necessity

Distribution system - There is no information available of any alterations done on the distribution system and of any new gland cocks or fittings installed thereon

Regarding the timings of water supply it is ascertained that the machinery is working at present for about 6 hours a day between 10 A M and 5 P M with an interval of one hour in the middle to cool the engine down, and so far as the supply to the town is concerned, the lower portion consisting of Kurahara, Polgampete and Delimpete is supplied with water between 7-30 and 8-30 in the morning and for one hour in the afternoon after 4-30- The other portion of the town which is located at a higher level is fed with water between 8-30 and 9-30 in the morning and for one hour in the afternoon

There are at present 30 Public fountains and 40 house connections, the latter being 10 of ¾ and 30 of ½ Out of the above public fountains, the one near the Malaria Office has been plugged

GENERAL - A statement of the materials that are available for being handed over has been prepared There are no spare parts of machinery and the spare parts that are included in the enclosed statement are only those that have been removed after being considered unserviceable There are no spare parts at all available for either the engine or the pump and these have got to be arranged for immediately The present oil engine is in need of heavy repairs as indicated above and there is every chance of its breaking down any moment It is immediately necessary to make some arrangement to open the same and overhaul it thoroughly in order to ensure the water supply to the town until the new unit for which a sum of Rs 2,000/- has been granted out of the money donated during His Highness's visit, is given The firm's representative has recently examined the plant and furnished an estimate for spare parts The same is being obtained from the Municipality for further action

It is ascertained that the annual maintenance charges are coming up to about Rs 2,500/- annually and an estimate prepared for the working of the machinery during the rest of the year is being forwarded to the President of the Municipality for his counter-signature and providing funds in monthly advances as per rules

The staff consists of one Operator on Rs 25/- and a cleaner on Rs 12/- The present driver was a cleaner appointed by the Department at Hiriyur Water Works, and his experience is very little and consists of what he has gained here during the last one year or 18 months of his service

The stock of fuel oil and lubricant to-day is about 82 gallons of fuel oil and 2 gallons of lubricating oil The fuel oil meets the requirements for one month and the lubricant oil for 4 days Hence arrangements are already made to transfer some more lubricating oils from Arsikere and an indent for one barrel has been drawn to-day

Sd/- A. S. Hutchinson Rao,
EXECUTIVE OFFICER

"COPY"
A. M. Seshadri
Director of Public Health

List of materials belonging to Ludigere Water Works taken over from Ludigere Municipality on November 17,1941

No	Name of Article	Number
1	Crossley Crude Oil Engine, 750 R P M B S 3 8 B H P , very old and liable to break down any time, Not working satisfactorily	1
2	Automiser old and unserviceable	2
3	Governor spring -do-	1
4	Fuel and Pump springs -do-	2
5	Lubricating oil pump shaft -do-	2
6	-do- springs -do-	2
7	Air valve old and unserviceable	1
8	Sprayer nipple -do-	2
9	Lubricating oil pump balls -do	5
10	Nozzle automiser spring -do-	2
11	Connecting rod bush, New	1
12	Big and bearings, old and unserviceable	1
13	Ignition -do-	2
14	Cylinder head gasket -do-	1
15	Piston rings -do-	10
16	Crude oil gauge glass, New	1
17	-do- Old and unserviceable	1
18	Starting handle, serviceable	1
19	Spirit level (Stanley 6") New	1
20	4" G I pipe with collar for silencer, 3' long	1
21	Worthington Pump, II Stage, 2,500 gls capacity Old one	1
22	Rotters, old and unserviceable	7
23	Shaft -do-	1
24	Collars -do-	2
25	Set Spanner ¼" x 7/8", 5/8' x ½ ,7/16" x 5/16", ¼" x 3/16", 3/8" x ½	5
26	Bearings, Old and unserviceable	1
27	Hammers, Old	2
28	Files, flat 14", round 14" half-round 10"	3
29	Screw Driver without handle, small 1, big 1,	2
30	Cutting plier, Old	1
31	Round Punch, Old	1
32	Barrel box spanner, old	1
33	Stove spanner, box and stove	1
34	Hacksaw frame, Old	1
35	Pipe Wrench, old	1
36	Valve key, Old	2
37	Worthington air valve plate, old	1
38	Locks, serviceable1, unserviceable 1	2
39	Lister Engine cylinder head, old	1
40	-do- vertical high speed crude oil engine 7 B H P 1,000 R M P broken and unserviceable	1
41	Spanners 9/16" x 5/16 , 7/16 x ½", 22/MMx26/MM, 14/MM x 16/MM, 3/8" x 5/16 , ¼" x 3/8", ½ "x5/8" 7/8" x ¾",7/8" x 1" (Total)	9
42	Box spanner	1
43	Plug spanner	1
44	Automiser Lister, old & unservicable	1
45	valve -do- -do-	4
46	Crossley Engine Inlet valves -do-	4
47	Crossley horizontal engine 7 B H P R P M 550, Kerosine oil engine, old & unserviceable	1
48	Big and bearing	1
49	Magnet, old and unserviceable	1
50	Lubricating oil cups -do-	3

No	Name of Article	Number
51	Starting handle old	1
52	4" foot valve, old	1
53	2½" -do- old	1
54	4" reflex valve G M screw ends	1
55	2½" G I ~~xxxx~~ Tee	1
56	2" -do-	1
57	1" G I elbows	5
58	1½" -do-	1
59	Worthington Pump, II stage 2" x 1½", unserviceable	1
60	1½" wheel valve	1
61	Crossley engine brass pipe for oil tan 8' long, old	1
62	Oil can, old	1
63	Fuel oil tank	1
64	2" G I pipe, 2 lengths of 16 feet each, old	2 lengths
65	Crossley engine box spanner, one set of 8	1 set
66	Oil brass pipe, 12 ft long	1
67	2" G M bend, old	1
68	Silencer with 10 ft G I pipe	1
69	Iron ladders, 12' long	2
70	-do- 8' long	1
71	Table vise, old	1
72	Lantern without chimney, old	1
73	Petrol empty cans ,,	2
74	Hill Magnet for Crossley Kerosine oil engine, old	1
75	Log Book, old	1
76	5" C I Spring bend	1
77	Oil Account Book, old	1
78	5" C I bend spring, 90°flanged ends	1
79	5" C I Tee, flanged ends	1
80	4" x 1½" C I reducing flanged pipe, 3' long	2
81	3" x C I flanged and socket pipe	2
82	3" x 1½" C I reducing tee	2
83	4" C I flanged and socket pipe	1
84	C I road box 6" x 6"	2
85	Starting Wick	25 ft
86	Kerosine oil	Full
87	Crude oil	82 gals
88	Lubricating oil 'O' Brand	2 "
89	Bleaching Powder	1¾ cwt
90	Crude oil empty barrels	5
91	½" bib cocks	8
92	¾" G I Pipe	11 ft
93	½" bib cocks	2
94	1" G I pipe	53' ft
95	½" C I flanged tailpiece	1

Sd/-KS Hutcha Rao,
Sanitary Engineer

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COPY"

K. V. Seshoon
Director of Public Health

G R S App F VI—G 2]

SUBJECT

Diary No of letter replied to

General and Revenue Secretariat

( )

the *193*

Date of issue 26-12-41 193

Signed by Mr G R Rao

May this be—

(i) printed ?

(ii) treated as a standing order ?

(ii) published in the Gazette, English Part ?

(vi) translated ?

(v) placed at the disposal of the press ?

(vi) published in the Gazette Kannada Pa t ?

Section M

File No 76-41

Serial No 2

Proceedings of the Government of His Highness the Maharaja of Mysore

Read—

1 G O No L 9735-7 Fin 57-37-39 dy 1 6 38 recording the resolution of the Mudigere minor municipal agreeing to hand over the Council ~~the matter of transferring~~ management of the local water works to the Control of the Bureau of Sanitary Engineering

2 Letter No C 61-13 dy 5 12 41 from the Dir of P H reporting for the information of Govt that the charge of the said water Works was taken over on the 17th Nov 1941 by the Bureau of Sanitary Engineering

Order thereon.—No

Order Hereon: L 5476-8

Recorded with the observation that there has been a delay of over 3½ years to give effect to the G.O. 27/6/35 read above

for Secretary to Govt
Mysh Laws Dept

Do. The Secy of P H
Do. The DC Kadur Dt
The Comptr

18/12

List of Enclosure

Copied by

Examined by

WD 0523—GPB—22 500—16 3 37